

Program Outline for:

ISMP Safe Medication Management Fellowship

ISMP International Medication Safety Management Fellowship



This outline provides an overview of some of the learning opportunities and experiences available to both the ISMP Safe Medication Management Fellow and the ISMP International Medication Safety Management Fellow. These fellowships are flexible and may be adapted to take advantage of emerging opportunities. Professional interests of Fellows also may be incorporated into planned experiences in order to accomplish individual goals.

Any travel opportunities noted below depend on the state of the COVID-19 pandemic.

Orientation and Medication Safety Instruction

- **Institute for Safe Medication Practices (ISMP) and ISMP's affiliate, ECRI**
 - Learn about ISMP's and ECRI's history and achievements in safety.
 - Become familiar with ISMP's and ECRI's initiatives, products and service lines, ongoing collaborations, advocacy work, and role as a joint Patient Safety Organization (PSO).
 - Learn the services offered by ISMP's for-profit subsidiary, Medication Safety Board.

- **Medication safety-related professional, regulatory, and standard-setting organizations**
 - Learn about the organizations with which ISMP has partnered or has an ongoing collaboration or that also are involved in patient safety work.
 - Understand their roles in safety and become familiar with their recommendations, standards, and/or requirements.

- **Medication safety concepts, issues, and errors**
 - Receive instruction from leading medication safety experts at ISMP, including Dr. Michael Cohen, President of ISMP, and the rest of the ISMP staff, through provided webinars, personal presentations, and one-on-one teaching throughout the fellowship.
 - Review relevant literature and publications, including published journal articles, the *ISMP Medication Safety Alert!* newsletters, and the book, *Medication Errors*.
 - Education includes, but is not limited to, the following topics:
 - Systems thinking approach and ISMP's *Key Elements of the Medication Use System*[™]
 - Culture of safety and the Just Culture model
 - Human factors
 - Error reporting and analysis
 - Risk identification and use of metrics
 - Application of root cause analysis (RCA) and failure mode and effects analysis (FMEA)
 - High-alert medications and associated risk-reduction strategies
 - Integration of technology throughout the medication-use process
 - Regulatory requirements and standards for industry and healthcare organizations

- **Additional orientation and medication safety instruction for the ISMP International Medication Safety Management Fellowship include:**
 - Learn about the International Medication Safety Network (IMSN) and its member organizations, as well as other medication safety-related international organizations.
 - Understand their role/purpose, initiatives, available resources, advocacy, and position statements.
 - Review relevant medication safety-related guidelines, standards, and requirements established by international regulatory and accreditation authorities, including the European Medicines Agency (EMA), Health Canada, and Joint Commission International.

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Learning Experiences and Involvement

- **Communication and networking with healthcare practitioners, consumers, and the public**
 - Serve as the primary contact for medication safety-related inquiries. As such, research and respond to incoming questions and concerns from healthcare practitioners and consumers. Work with ISMP staff and lead group discussions, as needed, to formulate facility-specific recommendations or devise new ISMP recommendations.
 - Conduct onsite, confidential consultation visits to healthcare facilities with ISMP staff and contribute findings for inclusion in the final report. *(Travel is dependent on the state of the COVID-19 pandemic.)*
 - Interact with medication safety officers/other professionals in medication safety to learn about their day-to-day activities, role and impact on safety, and how they address and prioritize medication safety issues.
 - Participate in media interviews related to medication safety topics as opportunities present.
- **Communication and networking with professional organizations, regulatory agencies, and drug information vendors**
 - Participate in regular calls with drug information vendors and regulatory agencies.
 - Attend meetings with pharmaceutical or device companies and regulatory agencies.
 - Participate in regular medication safety calls with other professional groups.
 - Attend local, national, and possibly international professional meetings related to medication safety.
- **Review of medication error reports**
 - Read through reports of hazardous conditions and medication and vaccine errors, including close calls, submitted to ISMP's national error reporting programs by healthcare practitioners and consumers.
 - Contribute to internal discussion around submitted reports and perform follow-up with individuals who reported to ISMP MERP to ensure that all necessary information is available for ISMP evaluation of incidents.
 - Communicate with manufacturers, USP, and the US Food and Drug Administration (FDA) to report/discuss submitted concerns or incidents related to labeling, packaging, naming, or medication devices.
- **Publication and development of medication safety resources**
 - Review ISMP's five medication safety newsletters and contribute content as needed.
 - Prepare the content for the *ISMP Medication Safety Alert!* Action Agendas
 - Write and/or review information for continuing columns in journals as needed.
 - Participate in ongoing medication error prevention projects and collaborate with ISMP staff on the development of educational events, proposals and grant applications, and medication safety tools and resources, including self assessments, guidelines, and the Best Practices.
- **Participate in Medication Safety Board safety reviews**
 - Review medication packaging and labeling designs for any safety concerns.
 - Contribute to other medication safety consulting work for industry as needed.
- **Travel opportunities** *(Travel is dependent on the state of the COVID-19 pandemic.)*
 - Travel with ISMP staff wherever possible.
 - Visit healthcare sites where certain technology systems have been integrated to observe their functionality and learn about the benefits and any potential risks with their implementation in the medication-use process.
 - Visit medication safety-related professional organizations, pharmaceutical companies, and regulatory agencies to understand their structure and role and to interact/network with staff.

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- **Teaching and presentation opportunities**
 - Participate in and possibly lecture to Temple University's PharmD class on medication errors.
 - Mentor PharmD students during their rotations with ISMP.
 - Prepare and present webinars or presentations to internal and outside healthcare practitioners as needed on various medication safety topics, journal articles, or medication error analysis.
 - Present a poster presentation regarding a research or related topic at a professional meeting.
- **Additional learning experiences and involvement for the ISMP International Medication Safety Management Fellowship include:**
 - Promote ISMP medication safety initiatives internationally.
 - Oversee, review, and analyze reported international medication errors; perform follow up with reporters, manufacturers, and relevant regulatory authorities, as needed; and share valuable "lessons learned" with the international healthcare community.
 - Participate in ongoing medication error prevention projects internationally.
 - Present educational webinars intended for an international audience on various medication safety topics.
 - Maintain and add content to the International Medication Safety Network (IMSN) LinkedIn page to keep followers apprised of members' initiatives and publications, as well as other relevant medication safety news and announcements.
 - Research and contribute content for articles posted on the IMSN website.
 - Attend the Annual IMSN Meeting and present and/or lead panel discussions during the meeting.
 - Interact and collaborate with IMSN member organizations, including ISMP's sister organizations (ISMP Canada, Spain, Brasil) and the World Health Organization (WHO) Collaborating Centre for International Drug Monitoring (Uppsala Monitoring Centre).
 - Travel internationally to attend meetings or visit international medication safety organizations. (*International travel opportunities are dependent on the state of the COVID-19 pandemic.*)